

O/PE
02 DC

Serial Number: 09/551,621

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☒ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 201,205
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 479 - inserted Hard return

*Examiner: ~~The above~~ corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/551,621

DATE: 05/09/2000

TIME: 19:17:17

Input Set: A:\Pto.amc

Output Set: N:\CRF3\05092000\I551621.raw

4 110> APPLICANT: Yugui, Jiaug
 5 Dillon, Devin C.
 6 Hitcham, Jennifer L.
 7 Xu, Jiangchun
 8 Harlocker, Susan L.
 9 120> TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
 10 DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
 11 130> FILE REFERENCE: 210121 47005
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/551,621
 17 <111> CURRENT FILING DATE: 2000-04-17
 18 <110> NUMBER OF SEQ ID NOS: 179
 19 <112> SOFTWARE: FastSeq for windows Version 3.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 291
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapien
 24 <400> SEQUENCE: 1
 25 gaatgaacat gaatctctat cgaacacatg ctctctatctt acattatgtt cgtattgacct 60
 26 ctctgctctat gaacatctat atctcaagtt caaatgccac aacctgaata ccaatgacct 120
 27 caatgaagtt ctactgaaa ccaacacctc atattctgtt acgaatttat aattcaagttt 180
 28 ctctgaacat tctttacac atggaagaa aaatgaata tctctgatt tatctacta 240
 29 taacactcta caataagcta tgaatgctg taacacatc g 281
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 300
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Homo sapien
 34 <400> SEQUENCE: 2
 35 gaattctctg gctaacctaa tctttatta ttgtggaag aaaaagatct gaataacttt 60
 36 agattattac atactagttt atttctaat ggaacatt ttctttttaa caatgataaa 120
 37 ttattatttc cgaagttaa tttcccttg gctgtgatac acattgattt aaaaaacata 180
 38 ctattgtatt ttttccatt ttgtttgact atgcacacc acctatccac aggtcttata 240
 39 catactatgt ctcaactgta ttattgcaa tttttgcat tagaatgctt cgggaagggt 300
 40 <210> SEQ ID NO: 3
 41 <211> LENGTH: 302
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Homo sapien
 44 <400> SEQUENCE: 3
 45 gacccgaagta attggttaag tataagaga ttattattcc ttgatatttg ctgttatitg 60
 46 gctacaaata tgcagaggtt atacatata gatctgata tctctatctt tttttttctc 120
 47 tttaaaaatt aattggcgc aactgtattt gaataaaata atttcttaat atgattgtac 180
 48 agtaattaat gaaaatgga atgttttctt ttggaagga agaaatattg caatttattg 240
 49 ttgtgatctt taatttatat ctatctgagc atttttagta gtaataactt tttttaacct 300
 50 ta 302
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 293
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Homo sapien

DATE: 05/09/2020

TIME: 19.15.17

Input Set : A:\Pto.amc

Output Set: N:\CRF3\05092000\I551621.raw

65	<100> SEQUENCE: 4	
66	tgtagcaatt ctctggcaca aqaatatata aqaactatag ttatttttat tgggttttga	60
67	ttcttaagatt gtgtttatc ttatttttat ttatatcttt taagaattga agtatagcat	120
68	tattgcattat gattgatttg aggttaaat gaataatgct tttaacaaa aggaattgga	180
69	aggaattcat tctctcaaa taagaattga aggaataat tttaacttat taagaattga	240
70	gttaagattt gttcttttaa tttataaat tttcaattttg gtttttcaa ttt	300
71	<210> SEQ ID NO: 5	
72	<211> LENGTH: 306	
73	<212> TYPE: DNA	
74	<213> ORGANISM: Homo sapien	
75	<100> SEQUENCE: 5	
76	agaggtttga aatgaagatt ctgtgtccaa taataatc ctgattgaa gtcattgga	60
77	cttgagtaat taagaattga ttctattgaa ctgaattga ttcttttga tctaatgatt	120
80	gtgtgtcttt acctgtctc atttttatga atgaataa gtagattgtt aattttttta	180
81	gaacttttaa tgaatttcat taactttttt taattttgt ttaagtata gtaacaataa	240
82	tttatttacc ctgtttttac atttttttat tttttttt	300
83	<210> SEQ ID NO: 6	
85	<211> LENGTH: 301	
86	<212> TYPE: DNA	
87	<213> ORGANISM: Homo sapien	
89	<100> SEQUENCE: 6	
90	gaagctctat ttcttaagta tgcctgaatt ttgtcccaat gtaatttt ttgaagccat	60
91	attatataa ggtttacgac caacaataaa caatgtttc ctctcttt ttgaaggtta	120
92	aggaattatg ctctatttgc caactttcaa taatttgaat atcaataaa ttgaattaaa	180
93	gtaatacttt gttttataaa aattttata caataaaat taatacaaa attgattata	240
94	ttctaagatc tgccttgcaa ttattttttt ctatacata ccttaataaa caataactta	300
95	a	301
97	<210> SEQ ID NO: 7	
98	<211> LENGTH: 301	
99	<212> TYPE: DNA	
100	<213> ORGANISM: Homo sapien	
102	<100> SEQUENCE: 7	
103	gtccagattg tacatactga ttcttttat aggggaaag agtttccgtt aaaaatgcat	60
104	tatatacaaa tctctacac cctgaccag agccattctc tagttcccaa aggaattat	120
105	gaactttaaa aggaatacct gaagtttat gtttttagtt gctttatctt aatcccaat	180
106	atcacattta aggaattttt ttatttttaa aggaactttc ctcaaatatg taactatttg	240
107	tttaatttaa aaataaaagt aataatttaa atgtatctgt ggaagattta acctccac	300
108	c	301
110	<210> SEQ ID NO: 8	
111	<211> LENGTH: 301	
112	<212> TYPE: DNA	
113	<213> ORGANISM: Homo sapien	
115	<100> SEQUENCE: 8	
116	ctgtctctat ctctgcaaaa ttcaatttcc ttcttaaggt ctctgtcaaa tctgttttga	60
117	atctctatg agacttatg gttcaaggaat ctccaccaa ggaaggtctc aggaactggt	120
118	ttggccaaaq atgaatatit gaagatata aattgtttaa gggccaaaqa atttgtaata	180
119	gggggaagac agaaagagac taaggtatag gaattgaatt gaattatata gttggaata	240
120	ttgttgata tctgttaactt aaaaagagtc tttaagaaac taattcttaa tcttttccac	300
121	a	301

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/551,621

DATE: 05/09/2000

TIME: 15:17:17

Input Set : A:\Pto.amc

Output Set: N:\CRF3\05092000\I551621.raw

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124 >110> SEQ ID NO: 9
125 >111> LENGTH: 301
126 >112> TYPE: DNA
127 >113> ORGANISM: Homo sapien
128 >110> SEQUENCE: 9
129 gaggctctacc tcaatataag acaaaag ttt c tctttttt cagcaaaact gaggccagga 60
130 tttttttttt taaggaaatt aacatttttt acctctatat atct aaataa ttctg atgac 120
131 ttttgccttt caccacacag cctttcttat ttatctaat ctatatacttc cccacacattc 180
132 ctttgacatt cgaagctgtg acttaacaca tttaattaac aatatttaag taactaacctt 240
133 gaaagataga ttctctgggg tatagggag aacacaaaca tgccttcagg tctcttaaca 300
134 c
135 >110> SEQ ID NO: 10
136 >111> LENGTH: 301
137 >112> TYPE: DNA
138 >113> ORGANISM: Homo sapien
139 >110> SEQUENCE: 10
140 agcaagttcca acaattcttc cagttctatt cgaat ttga atctt ctt cactttcttc 60
141 tcaattttct cctttacata cacttttaatt gtttcagaaa gaata ttta cacttttttc 120
142 aaaaaaatit ctcaaaatut aacacttaaa ccaatgatat gaacacacttc cctatgggtg 180
143 gtaaacactc aatccaggaq cacttttctt cctttgcttc aaact taaa caattctatg 240
144 attttggttg gaatttcata actttctctg actttaatgg aa caaatia cttagatttt 300
145 g
146 >110> SEQ ID NO: 11
147 >111> LENGTH: 301
148 >112> TYPE: DNA
149 >113> ORGANISM: Homo sapien
150 >110> SEQUENCE: 11
151 aagttcttga ctttcaccca agaacacagga caaaccttc cttatgaat gccagacact 60
152 tctctacaca ctggaggttc t cttacag aggcacaaa cactt gctg accccacaaa 120
153 ccttcagggg tacagcctat c aggttcctt cctctg agt gaaaaaatg cttgaa ttc 180
154 gatttgccac aacgttgaat ggaagtgct caattcaat ctttcagagc agagtc gaa 240
155 caagccttgg tgacagccta tctctctctg ctctccaaag gccctgcctc cgtctctctt 300
156 t
157 >110> SEQ ID NO: 12
158 >111> LENGTH: 301
159 >112> TYPE: DNA
160 >113> ORGANISM: Homo sapien
161 >110> SEQUENCE: 12
162 gagggtatgg attacaagaa cctgcaccca cacttaacta atttttagc atagggctta 60
163 aaggaactgc tctctggagc atctcaatt tcaattttg ggttcacaa taatactctc 120
164 taagtatttg aagaaattca tccattaaa attcctttg cactttaa t ttgttttc 180
165 ttttttctt tcttactct cctctttttt taagaatcaa caagaacct cacttaactc 240
166 accaanaag taacacactg ggaacaccc cagtgcacag ccccttcca gggacacaa 300
167 c
168 >110> SEQ ID NO: 13
169 >111> LENGTH: 259
170 >112> TYPE: DNA
171 >113> ORGANISM: Homo sapien
172 >110> SEQUENCE: 13

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RAW SEQUENCE LISTING

DATE: 05/08/2000

PATENT APPLICATION US/09/551,621

TIME: 19.11.17

Input Set: A:\Pto.amc

Output Set: N:\CRF3\05092000\I551621.raw

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161 ttttttggaa taaaaaacac aatgatattat ttctctaaagc acttatatta ttataggata      60
162 gttttgggaaa caagtttatta tttctacacat aggtaatat qaatgcttc tctatgaaaa      120
163 aatccttaag tatggactt ttctctaaaa accatattt tctttttta ataataaat      180
164 aaaaatgata ttttaaaag cctcatctt ttattttcaa tatataaaat gttttctta      240
165 aaataacaaq attcaa      300
166 210- SEQ ID NO: 14
167 211- LENGTH: 301
168 212- TYPE: DNA
169 213- ORGANISM: Homo sapien
190 214- SEQUENCE: 14
191 ggt ttgat agaaagaaa aaatata aa ttaaaagcaa caacacatc caactctc      60
192 atcctctacc ttctctctc ccagtgatc aatataagac ccttgacctg attctctaa      120
193 tatgtatagg ccagcttgg caactctacc ttatggaga atagaaacaa ttgaattga      180
194 gctcccttc catggctc caa caagaa ttatggagat gacaaagta acutctc      240
195 tatgatgat caacacat aa tttct ataaagaaa gctccct aa cgaactgag      300
196 t
197 210- SEQ ID NO: 15
198 211- LENGTH: 259
199 212- TYPE: DNA
200 213- ORGANISM: Homo sapien
201 214- SEQUENCE: 15
202 gtttttaaa tatttattat ttatattt ttctctcct caacccatc aggcactct      60
203 ctctttctc ttctctctc atcttaaaa ctgaataat cctctc ta taaagaaa      120
204 accaaagcat actaaatca atactctga taagtcttc ataaatacc acutctct      180
205 aaatagaatg ctatttca taatataag tctctcag gctcccaag atagctctt      240
206 ctaaaagctg ctatggcac
207 210- SEQ ID NO: 16
208 211- LENGTH: 301
209 212- TYPE: DNA
210 213- ORGANISM: Homo sapien
211 214- SEQUENCE: 16
212 cgaagttgtt caatittca tata aatat actccctca agtaataat tcaaaatc      60
213 aatgtatc agtcatatc ctctctta taa ttgaattta ttattatt tcaaaatct      120
214 ctgaaatac tctctaat gttcttt agaatcttg ttatcttca agaaagaa      180
215 aaactaaga ctcttaatt tggggt tt cttaactctt agttggaaa ctgaatat      240
216 ttciaactt ttaccacat caatggat ttctgggaat caacccac accaacaata      300
217 c
218 210- SEQ ID NO: 17
219 211- LENGTH: 301
220 212- TYPE: DNA
221 213- ORGANISM: Homo sapien
222 214- SEQUENCE: 17
223 gcccagcaaa gtctaggat taagtgaat cttaaaaa ctgagggca aactaaat      60
224 accaagaaa taaggacac ttctagctt ctcaaacct caactagtt ctatctc      120
225 caagtctcc taatagatt gaaatalla taagaaaa atctaatc gaaatctag      180
226 acaccacac tatctttag ttgaatcat cctccacac caattcaaa tctgacaa      240
227 ataaaaaa ctittttaa caaatttct tcttgcaaa agcttgactt ggaatacag      300
228 a
229 210- SEQ ID NO: 18

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RAW SEQUENCE LISTING
 PATIENT APPLICATION: US/09/551,621
 DATE: 06/09/2009
 TIME: 19:17:17

Input Set: A:\Pto.amc
 Output Set: N:\CRE3\05092000\I551621.raw

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209 <211> LENGTH: 301
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapien
212 <100> SEQUENCE: 18
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214 tctctgagc atgtcaaat tgggatttg ccttccac tgaactctc taattgatt 120
215 atgaattca tcaactgaa attcttttg ctttcaag ttatctttt tttttttt 180
216 tctctactt cctcttttt taactctaa cctctt ctt cctctctt cctctctctt 240
217 tcaaacctc caaacacac agtctcagg accctctcg gaaatctac agttttact 300
218 a
219 <210> SEQ ID NO: 19
220 <211> LENGTH: 301
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapien
223 <100> SEQUENCE: 19
224 agaatctca caattatct agatagaca aactctaa cctctctcc gatatttact 60
225 tttaactta aagaaatg agaaaccca gataaacct ttctatttc gagccttca 120
226 caaaagcac ccaatctca tctctctg tcaaatctt attttttat gatactaac 180
227 aaattagaa cctctttaa cctctctata tctctctcc atttaaac taccctcag 240
228 ggcctcagg caattctga gatctctat caattctaa cctctctagc atgactctat 300
229 a
230 <210> SEQ ID NO: 20
231 <211> LENGTH: 200
232 <212> TYPE: DNA
233 <213> ORGANISM: Homo sapien
234 <100> SEQUENCE: 20
235 aattttttt ttttttttt ttttttttt tttttctt tcaattcatt taattctaac 60
236 atctctctc aagaaagcc ataaacaaat atttaattt attcttgc attttttat 120
237 cctctctaac taaaaaaa tcttctctt cctctctga ccaactctt acttttctt 180
238 atctctctg ccaatctaa acataaacg agggcttga cctctctatg tctatttgg 240
239 cctctctaa agagagaga taactctga taactcttt tctctctat 300
240 <210> SEQ ID NO: 21
241 <211> LENGTH: 301
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapien
244 <100> SEQUENCE: 21
245 aaaaagtaa atgcaaccc agcttgcatt atttag cag aatttctgc ttactctaa 60
246 tttttttta aaaaaaaat acccagggg tctctat attttcaagca caattcttaa 120
247 tctctctcaa agctcttata ttttttttt accctctat tttatttta ttatttaatt 180
248 ttctctgca atctcaata tcaatggtt tcaaacagg cttttttgac taactttaa 240
249 tctctctct aaaaattaa tcaattttt aggaatttt ttatcagata atttctctt 300
250 t
251 <210> SEQ ID NO: 22
252 <211> LENGTH: 301
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapien
255 <100> SEQUENCE: 22
256 aatctctat cctctctggt tcaaacagg cctctctctc tcaaacagg cctctctctt 60
257 aatctctat cctctctggt tcaaacagg cctctctctc tcaaacagg cctctctctt 120

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/551,621

DATE: 06/20/2009

TIME: 10:11:16

Input Set : A:\Pto.amc

Output Set: N:\CRE3\05092000\I551621.raw

L11922 M:111 W: (1e) "n" or "xaa" used for SEQ ID#123
L11921 M:111 W: (1e) "n" or "xaa" used for SEQ ID#123
L11932 M:111 W: (1e) "n" or "xaa" used for SEQ ID#123
L11169 M:128 W: Mandatory Feature missing - "3" not found for SEQ ID#126
L11169 M:119 W: (1e) "n" or "xaa" needed feature required for SEQ ID#126
L11171 M:128 W: Feature value mis specified for SEQ ID#126 Name/Key for SEQ ID#126
L11171 M:119 W: Feature value mis specified for SEQ ID#126 Name/Key for SEQ ID#126